

**THAT WHICH IS CLAIMED:**

SUB A1  
5 1. A method of enhancing the cytotoxic effects of an antineoplastic chemotherapeutic agent, comprising administering a therapeutically effective amount of NF- $\kappa$ B inhibitor in conjunction with the administration of the chemotherapeutic agent, whereby the cytotoxic effect of said chemotherapeutic agent is increased compared to that which would occur in the absence of NF- $\kappa$ B inhibitor.

2. A method according to claim 1 wherein said NF- $\kappa$ B inhibitor is administered simultaneously with said chemotherapeutic agent.

SUB C3  
3. The method of claim 1 where said chemotherapeutic agent is selected from the group consisting of daunorubicin, vincristine, and irinotecan.

4. A method according to claim 1, wherein said NF- $\kappa$ B inhibitor is selected from the group consisting of the super-repressor I $\kappa$ B $\alpha$ , NF- $\kappa$ B inhibiting proteasome inhibitors, NF- $\kappa$ B inhibiting ubiquitin inhibitors, NF- $\kappa$ B inhibiting proteasome peptidases, NF- $\kappa$ B inhibiting proteases and antisense oligonucleotides that bind to mRNA encoding NF- $\kappa$ B.  
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5. A method according to claim 1 wherein said NF- $\kappa$ B inhibitor is delivered to said cell by transfecting said cell with a vector encoding said NF- $\kappa$ B inhibitor.

SUB A2  
5 6. A method of enhancing chemotherapeutic cytotoxicity in a subject treated with an antineoplastic chemotherapeutic agent, comprising administering to the subject a therapeutically effective amount of NF- $\kappa$ B inhibitor in conjunction with the administration of the chemotherapeutic agent, whereby the cytotoxic effect of said chemotherapeutic agent is increased compared to that which would occur in the absence of NF- $\kappa$ B inhibitor.

7. A method according to claim 6 wherein said NF- $\kappa$ B inhibitor is administered simultaneously with said chemotherapeutic agent.

Sub  
C4

SUB  
A3

[illegible]

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exposing a population of test cells to an anticancer treatment and a test compound;

viability after

add A3